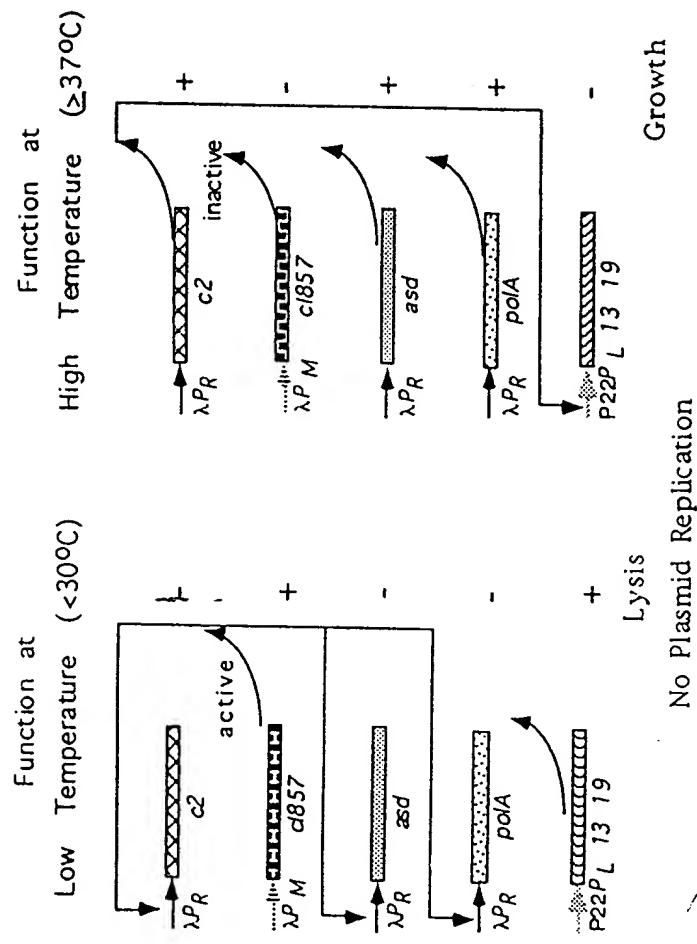


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Figure 1



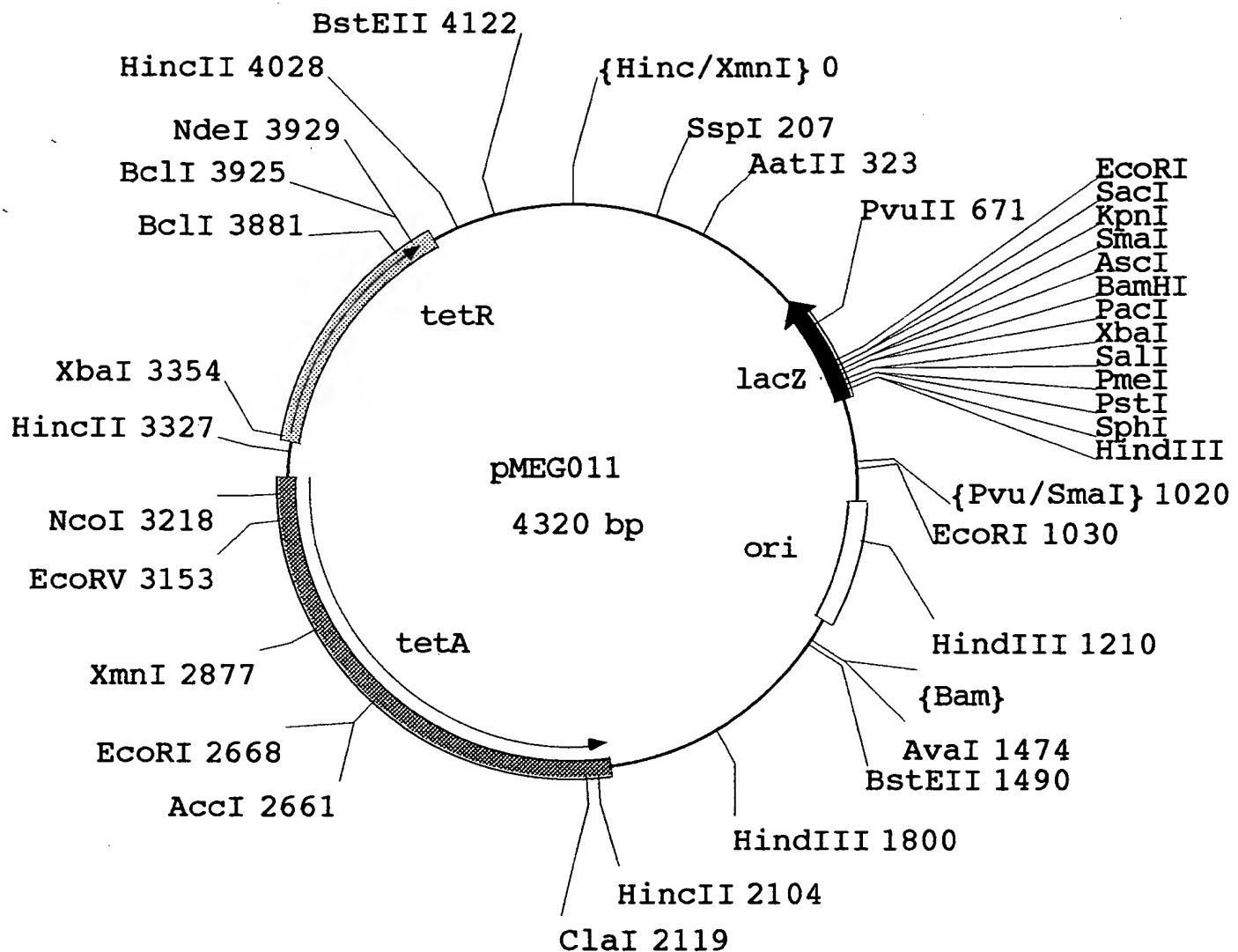


Figure 2
A *pir*-dependent suicide vector

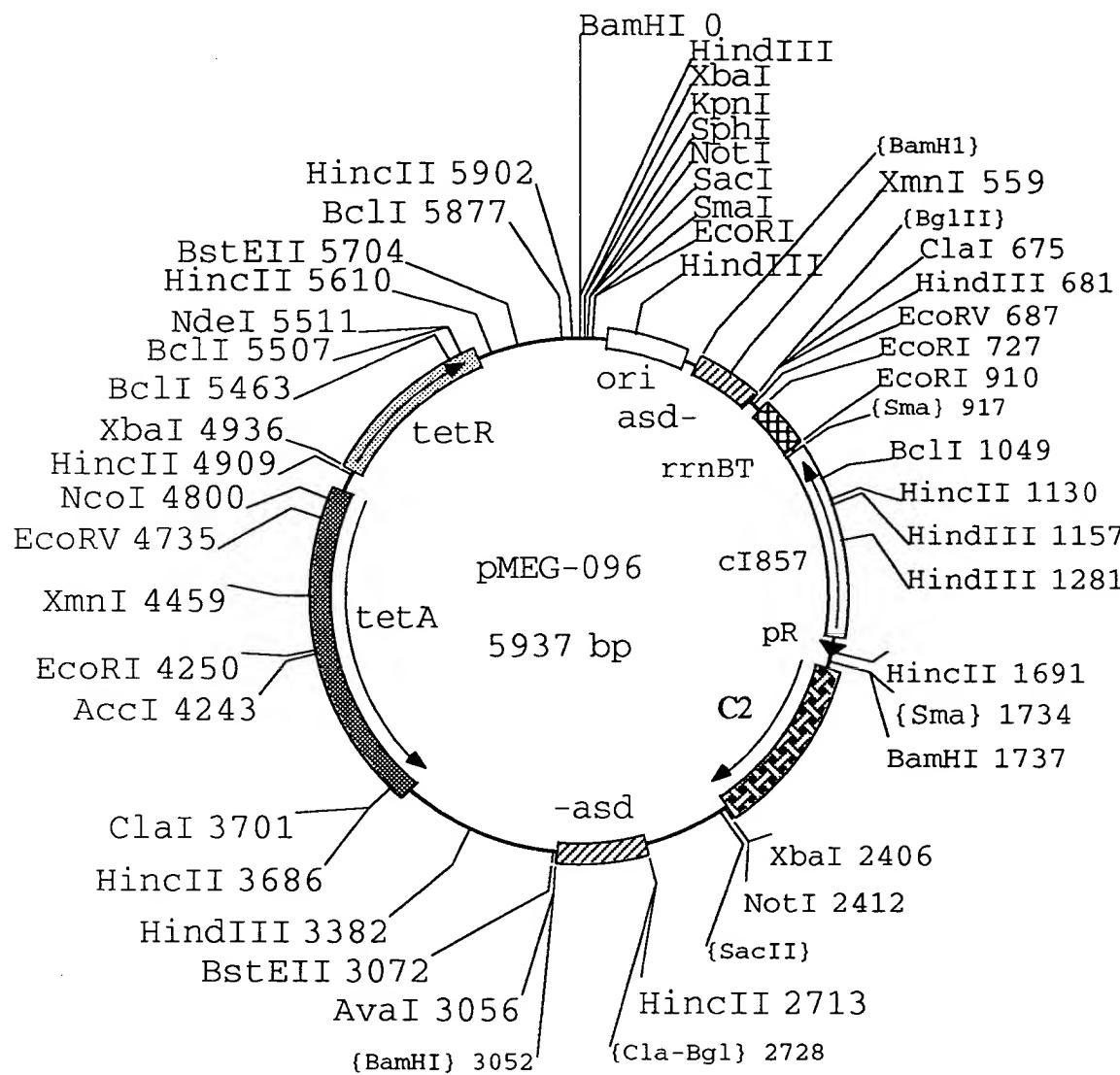


Figure 3

A *pir*-dependent suicide construct for insertion of the P_R driven *c2* gene and *cI857* repressor into the *S. typhimurium* *asd* gene on the chromosome.

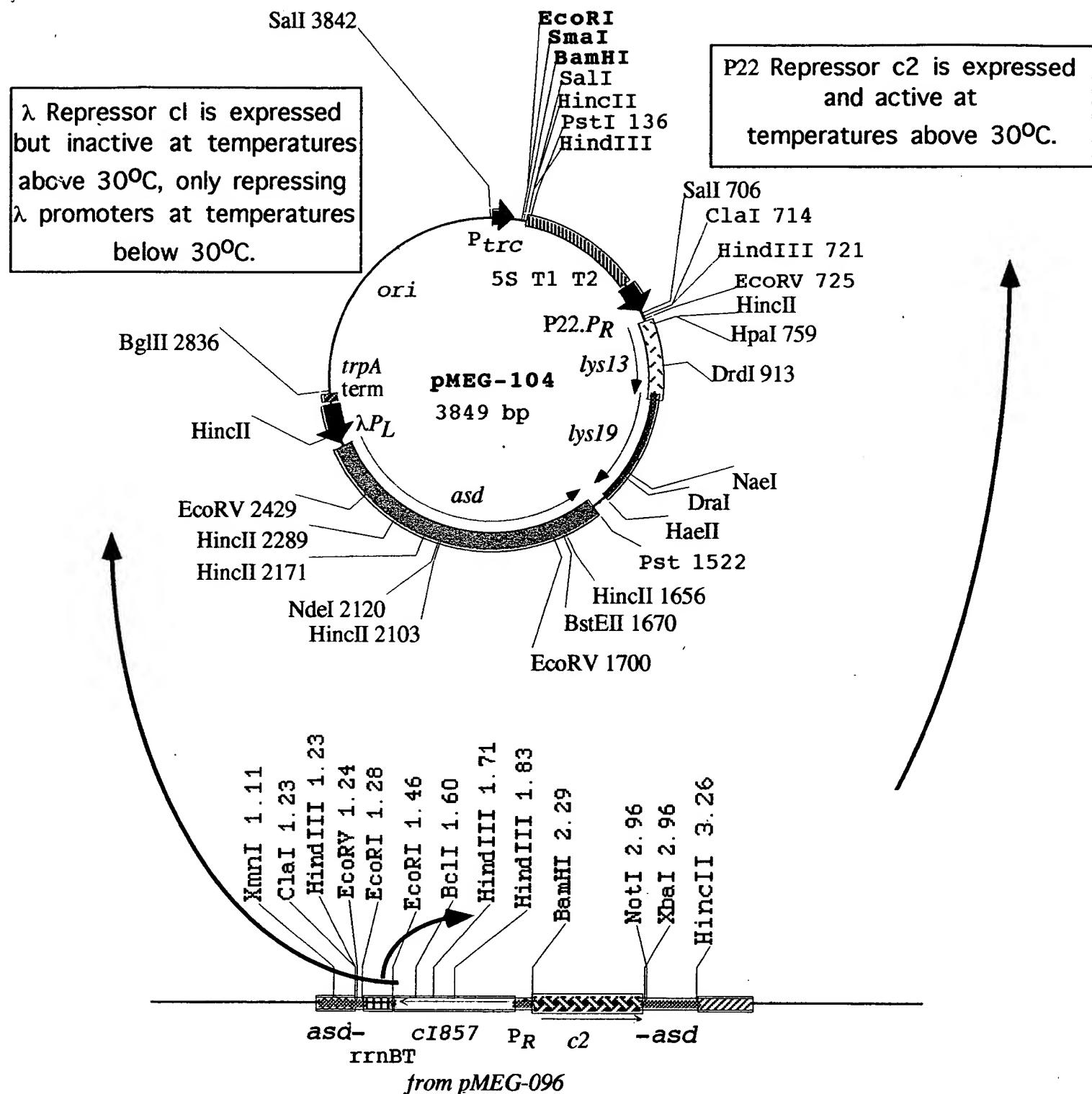
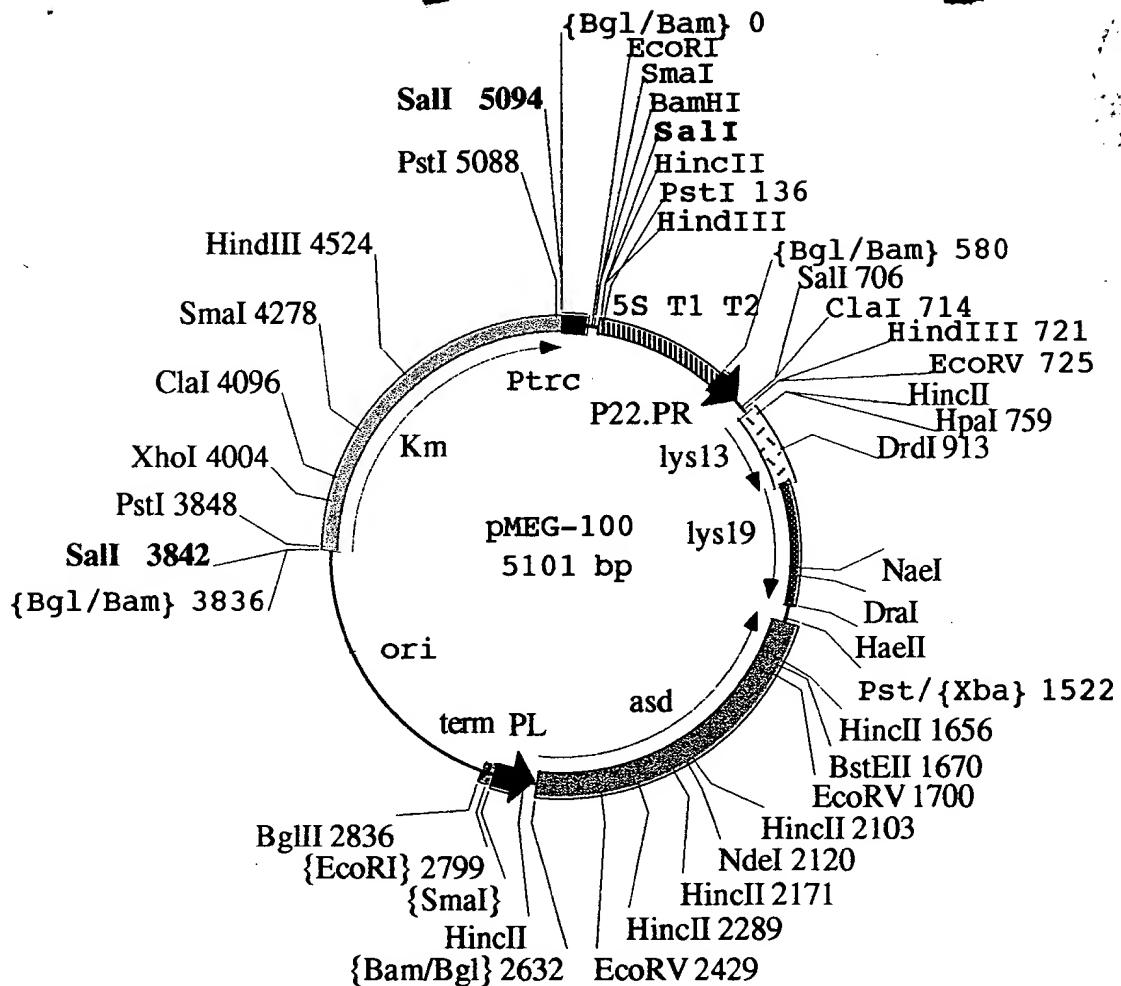


Figure 4

The Environmentally Limited Viability Components in the *S. typhimurium* Strain MGN-417

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**Figure 5**

The ELVS expression vector intermediate.

Figure 6
Growth of *S. typhimurium* Environmentally Limited Viability Construct
Relative to Normal *S. typhimurium* with Asd+ Vector

